

Key elements of the EPA's non-road Fuels Program



Clean Construction Workshop Dave Kircher

- EPA's rule will reduce current sulfur levels from about 3,000 parts per million (ppm) to 15 ppm when fully implemented (a reduction of greater than 99 percent).

- Sulfur levels reduced in two steps:

- In 2007 to 500 ppm, the same as for current highway diesel fuel.

- In 2010 to 15 ppm, the same as required for highway fuel in 2006

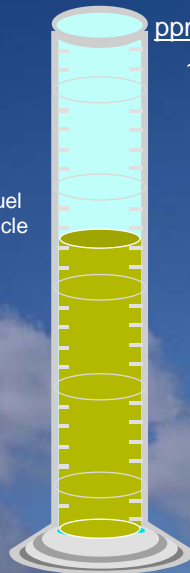
- In the case of locomotive and marine diesel fuel, this second step will occur in 2012.

Ecology Construction Workshop The Fuel Connection.ppt November 10, 2004 Slide 3

Cleaner traditional diesel fuels



Ultra low sulfur diesel fuel alone reduces fine particle emissions ~10% (from current highway fuel)



ppm sulfur

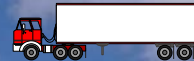
~3000

Typical nonroad fuel today (unregulated)



500

Highway fuel today – Applies to non-road fuels beginning in 2007



15

Highway fuel in 2006, most non-road fuels in 2010, locomotives and marine in 2012

Clean Construction Workshop Dave Kircher

Ecology Construction Workshop The Fuel Connection.ppt November 10, 2004 Slide 4